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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/885,829	06/20/2001	Kanji Minato	F-7029	4384
•	7590 07/29/2003			
JORDAN AND HAMBURG LLP			EXAMINER	
122 East 42nd New York, NY			VALENTI, ANDREA M	
			ART UNIT	PAPER NUMBER
			3643	
	•		DATE MAILED: 07/29/2003	,

Please find below and/or attached an Office communication concerning this application or proceeding.

•	Application No.	Applicant(s)			
•		\mathcal{A}			
Office Action Summary	09/885,829	MINATO ET AL.			
omec Action Cummary	Examin r	Art Unit			
The MAILING DATE of this communication app	Andrea M. Valenti	with the correspondence address			
Period for Reply]			
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period of the period for reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a y within the statutory minimum of the will apply and will expire SIX (6) Months, cause the application to become	a reply be timely filed inty (30) days will be considered timely. DNTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).			
1) Responsive to communication(s) filed on <u>01 l</u>	<u>May 2003</u> .				
2a) ☐ This action is FINAL . 2b) ☑ Th	is action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims	Ex parte Quayle, 1935 C	.D. 11, 455 O.G. 215.			
4) Claim(s) 1-14 is/are pending in the application	1.				
4a) Of the above claim(s) is/are withdra	wn from consideration.				
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-14</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/o	r election requirement.				
Application Papers	_	*			
9) The specification is objected to by the Examine	_	the Eveniner			
10) ☐ The drawing(s) filed on is/are: a) ☐ acce Applicant may not request that any objection to the					
11) The proposed drawing correction filed on		• • •			
If approved, corrected drawings are required in re					
12) The oath or declaration is objected to by the Ex	aminer.				
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).					
a)⊠ All b)□ Some * c)□ None of:					
1. Certified copies of the priority document	s have been received.				
2. Certified copies of the priority documents have been received in Application No					
 3. Copies of the certified copies of the prio application from the International Bu * See the attached detailed Office action for a list 	reau (PCT Rule 17.2(a))				
14) Acknowledgment is made of a claim for domesti	c priority under 35 U.S.C	c. § 119(e) (to a provisional application).			
 a) The translation of the foreign language pro 15) Acknowledgment is made of a claim for domest 	• •				
Attachment(s)					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 1 	5) Notice of	v Summary (PTO-413) Paper No(s) f Informal Patent Application (PTO-152)			
S. Patent and Trademark Office					

Art Unit: 3643

DETAILED ACTION

The Final Rejection of claims 1-14 in paper no. 9 is withdrawn in view of the newly discovered reference(s) to U.S. Patent No. 4,798,723 and Soviet Union Patent SU1793878 to Dzhalilov et al. Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 8, and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Soviet Union Patent SU1793878 to Dzhalilov et al.

Regarding Claim 1, 8, and 14, Dzhalilov et al teaches a method of controlling a seed disease by sterilizing seeds by at least one of a physical technique and by an effective microorganism which is antagonistic against a pathogen of a seed borne disease (Dzhalilov et al English abstract).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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Claims 1-9 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Control of Phytopathogenic Prokaryotes By Cultural Management and Chemicals in view of Soviet Union Patent SU1793878 to Dzhalilov et al.

Regarding Claim 1, 2, 5, and 14, the article on Cultural Management teaches a method of controlling a seed disease by sterilizing seeds by at least one of a physical technique (Page 1 Section C, Seed Treatment and Table 2) and a chemical technique (Page 9, Section C, Seed Treatment); and by an effective microorganism which is antagonistic against a pathogen of a seed borne disease (Page 12 Section 6). Cultural Management is silent on the order in which the steps are conducted. However, Dzhalilov et al teaches a method of treating a seed by first physically treating the seed (i.e. pre-soaking in warm water) and then treating it with a microorganism. It would have been obvious to one of ordinary skill in the art to apply the method steps of Dzhalilov et al to the teachings of Cultural Management as a comprehensive and effective means of seed treatment for enhanced success.

Regarding Claim 6, the article on Cultural Management as modified discloses that the seeds to be treated are those, which have been contaminated with the pathogen of the seed born disease (Table 2).

Regarding Claim 7, the article on Cultural Management as modified discloses the treated seeds are those belonging to a family selected from the group Brassicaceae, Umbelliferae, Solanaceae, Cucurbitaceae, Compositae, Liliaceae, Chenopodiaceae, Leguminosae (Page 12 Section 6).

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Regarding Claim 8, the article on Cultural Management as modified discloses the physical technique is a dry-heating treatment or warm-water treatment (Table 2).

Regarding Claim 9, the article on Cultural Management as modified discloses the chemical technique is a treatment selected from the group of soaking, powder-coating, and coating wherein all three treatments are performed using a synthetic agrochemical (Page 9 Section C, Seed Treatment).

Regarding Claims 3 and 4, the article on Cultural Management as modified teaches the use of Streptomycin as an antagonist for Xanthomonas, but is silent on genus Pantoea or genus Lecleria. However, it would have been obvious to one of ordinary skill in the art to modify the teachings of the article on Cultural Management since the modification is merely an application of an alternate equivalent bacterium selected for its improved prokaryotic protein synthesis.

Claims 10-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Control of Phytopathogenic Prokaryotes By Cultural Management and Chemicals as applied to claim 1 above, and further in view of U.S. Patent No.4,798,723 to Dart et al.

Regarding Claims 10-13, the article on the Cultural Management as modified teaches spraying, but is silent on other administering techniques for the treatment by an effective microorganisum. However, Dart et al teaches that the microorganism treatment applied to a seed through soaking in an aqueous dispersion of the effective microorganism, pelleting, film coating, water absorbing (Dart et al Col. 13 lines 1-60). It would have been obvious to one of ordinary skill in the art to modify the teachings of the

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article on Cultural Management with the old and well-known microorganism applications

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of Dart to optimize the seed treatment with a thorough and efficient application.

Response to Arguments

Applicant's arguments with respect to claims 1-14 have been considered but are

moot in view of the new ground(s) of rejection.

Examiner maintains that applicant's broad claim language does not distinguish

over the teachings of the prior art. Examiner maintains that the antibiotics taught by

Cultural Management teach that the antibiotic microbes are antagonists for other

microbes and are in fact an effective microorganism.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Andrea M. Valenti whose telephone number is 703-305-

3010. The examiner can normally be reached on 7:30am-5pm M-F; Alternating Fridays

Off. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Peter M. Poon can be reached on 703-308-2574. The fax phone numbers

for the organization where this application or proceeding is assigned are 703-306-4195

for regular communications and 703-305-0285 for After Final communications. Any

inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is 703-308-4357.

AMV

SUPERVISORY OF A EXAMINER

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